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CLAIM AMENDMENTS:

Please amend claims 1, 12 and 21 as follows. Please add claims 24-27. No new matter has been introduced with the addition of claims 24-27. The claims currently pending read as follows:

1. (Currently Amended) A method of dynamically creating a list of operating systems for a target device in communication with a server, the target device to be remotely booted by the server, prior to executing an operating system on the target device, comprising:
 - receiving from the server, at the target device, an available operating systems list of at least one operating system available to the target device;
 - determining a hardware configuration of the target device;
 - determining if the hardware configuration is compatible with each operating system from the available operating systems list; and
 - generating a compatible operating systems list.
2. (Original) The method of claim 1 wherein the hardware configuration is determined by a network discovery process.
3. (Original) The method of claim 1, further comprising:
 - mapping a specific location of the target device.
4. (Original) The method of claim 3 further comprising:
 - determining at least one location-based operating system that is based on the specific location of the target device.

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5. (Original) The method of claim 4 further comprising:
determining if the hardware configuration is compatible with the location-based operating system.
6. (Original) The method of claim 4 wherein the compatible operating systems list does not include the location-based operating system, further comprising:
adding the location-based operating system to the compatible operating systems list.
7. (Original) The method of claim 4, wherein the available operating systems list does not include the location-based operating system, further comprising:
adding the location-based operating system to the available operating systems list.
8. (Original) The method of claim 1, further comprising:
selecting, at the target device, a target operating system from the compatible operating system list.
9. (Original) The method of claim 8 further comprising:
receiving at the target device, the target operating system.
10. (Original) The method of claim 9 further comprising:
providing an initial bootstrap to the target device; and
executing the initial bootstrap on the target device before the target operating system is selected.

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11. (Original) The method of claim 10 further comprising:
relocating the initial bootstrap after the target operating system is received.
12. (Currently Amended) Computer program product in a computer usable medium for dynamically creating a list of operating systems for a target device in communication with a server, the target device to be remotely booted by the server, comprising:
 - means for receiving at the target device an available operating systems list of at least one operating system available to the target device;
 - means for determining a hardware configuration of the target device;
 - means for determining if the hardware configuration is compatible with each operating system from the available operating systems list; and
 - means for generating a compatible operating systems list.
13. (Original) The program of claim 12 further comprising:
means for discovering the hardware configuration via a network discovery process.
14. (Original) The program of claim 12 further comprising:
means for determining at least one location-based operating system based on the location of the target device.
15. (Original) The program of claim 14 further comprising:
means for adding the location-based operating system to the available operating systems list.

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16. (Original) The program of claim 14 further comprising:
means for determining if the hardware configuration is compatible with the location-based operating system.
17. (Original) The program of claim 16 further comprising:
means for adding the location-based operating system to the compatible operating systems list if the hardware configuration is compatible with the location-based operating system.
18. (Original) The program of claim 12, further comprising:
means for receiving a selection of a target operating system from the compatible operating system list; and
means for sending the target operating system to the target device.
19. (Original) The program of claim 18 further comprising:
means for executing a network bootstrap on the target device before the target operating system is selected.
20. (Original) The method of claim 19 further comprising:
means for relocating the network bootstrap after the target operating system is selected.

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21. (Currently Amended) A network data processing system comprising:
- means for sending an available operating systems list from a server to a target device, the target device to be remotely booted by the server, prior to executing an operating system on the target device;
 - means for determining a hardware configuration of the target device;
 - means for determining if the hardware configuration is compatible with each operating system from the available operating systems list; and
 - means for generating a compatible operating systems list.
22. (Original) The system of claim 21 further comprising:
- means for determining a specific location of the target device;
 - means for determining at least one location-based operating system that is based on the specific location; and
 - means for determining if the location-based operating system is compatible with the hardware configuration.
23. (Original) The system of claim 21 further comprising:
- means for executing a network bootstrap program on the target device before a target operating system is selected;
 - means for selecting the target operating system from the compatible operating systems list;
 - means for relocating the network bootstrap program after the target operating system is selected; and
 - means for sending the target operating system to the target device.

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24. (New) A method of dynamically creating a list of operating systems for a target device in communication with a server, the target device to be remotely booted by the server, prior to executing an operating system on the target device, comprising:

receiving from the server, at the target device, an available operating systems list of at least one operating system available to the target device;

determining a hardware configuration of the target device;

determining if the hardware configuration is compatible with each operating system from the available operating systems list; and generating a compatible operating systems list;

selecting a preferred operating system for the target device from the compatible operating systems list; and

executing the preferred operating system on the target device.

25. (New) The method of claim 24 wherein selecting a preferred operating system for the target device comprises an automatic selection.

26. (New) The method of claim 24 wherein selecting a preferred operating system for the target device comprises a selection by a system administrator.

27. (New) The method of claim 24 wherein selecting a preferred operating system for the target device comprises a selection by a user.